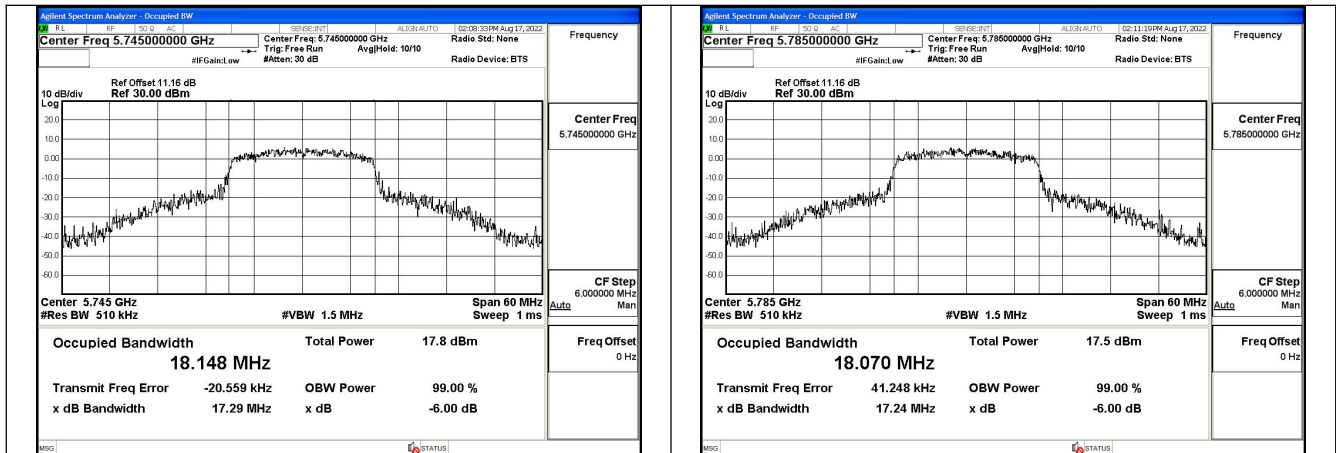
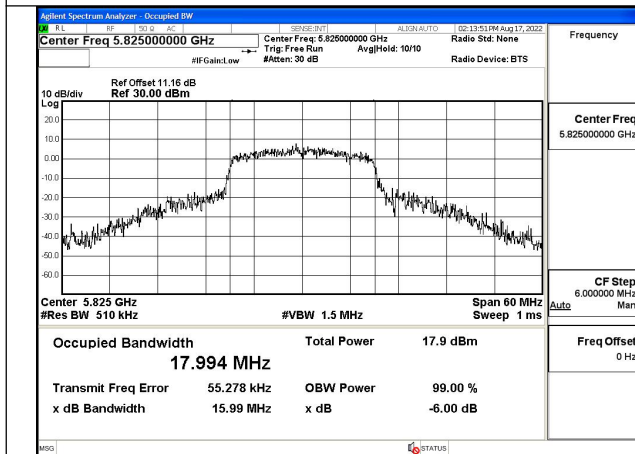


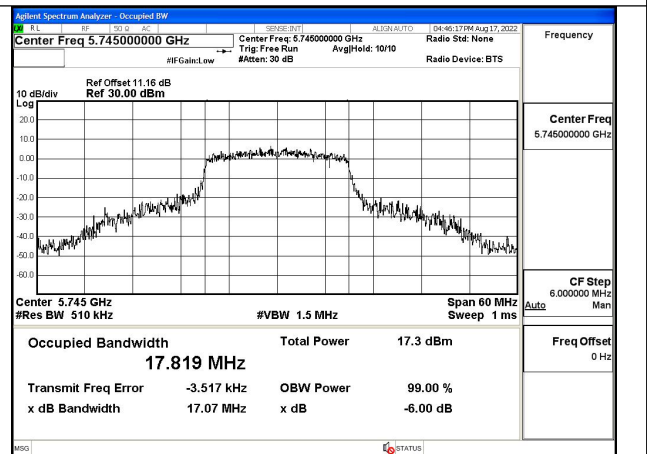
Test Mode: 802.11ac VHT20



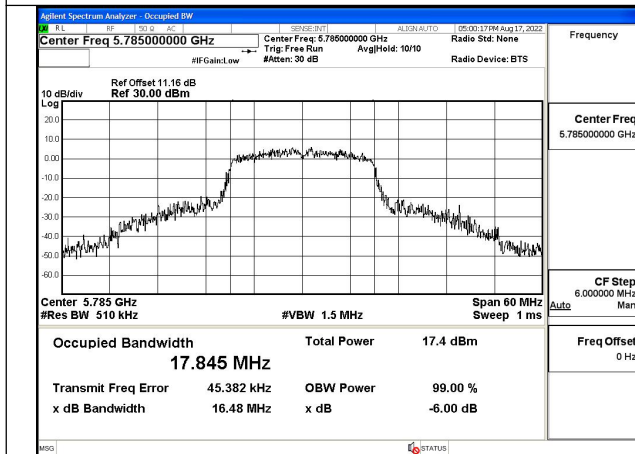
Test Mode:802.11ac VHT20 5745MHz Chain0



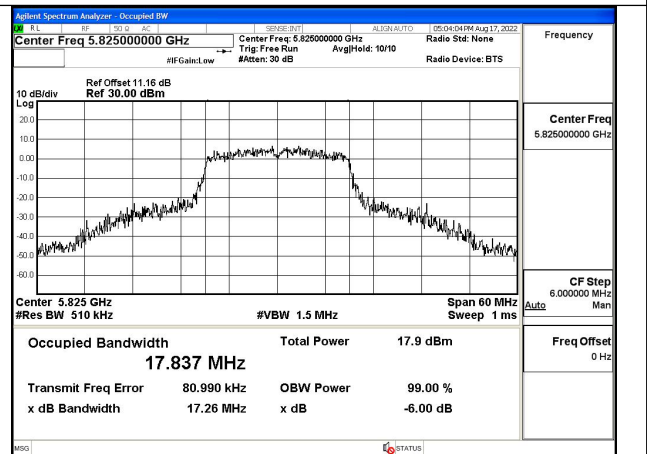
Test Mode:802.11ac VHT20 5785MHz Chain0



Test Mode:802.11ac VHT20 5825MHz Chain0



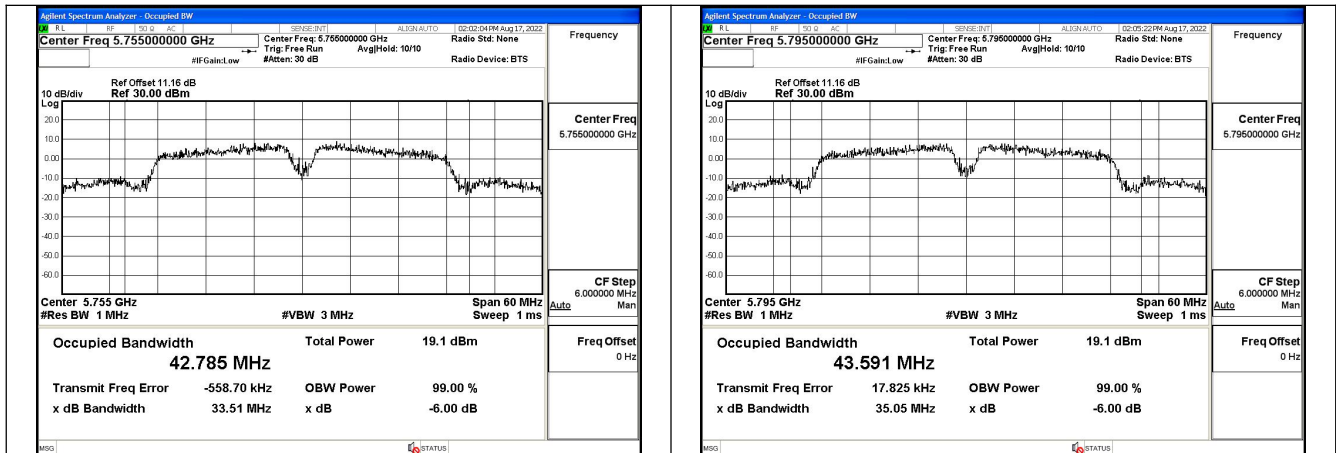
Test Mode:802.11ac VHT20 5745MHz Chain1



Test Mode:802.11ac VHT20 5785MHz Chain1

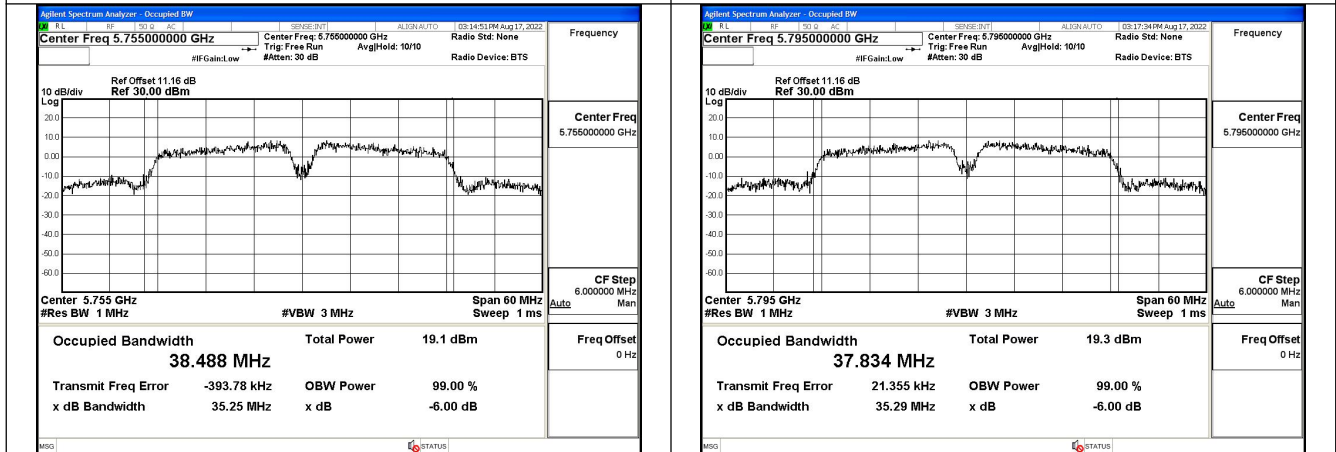
Test Mode:802.11ac VHT20 5825MHz Chain1

Test Mode: 802.11n HT40



Test Mode:802.11n HT40 5755MHz Chain0

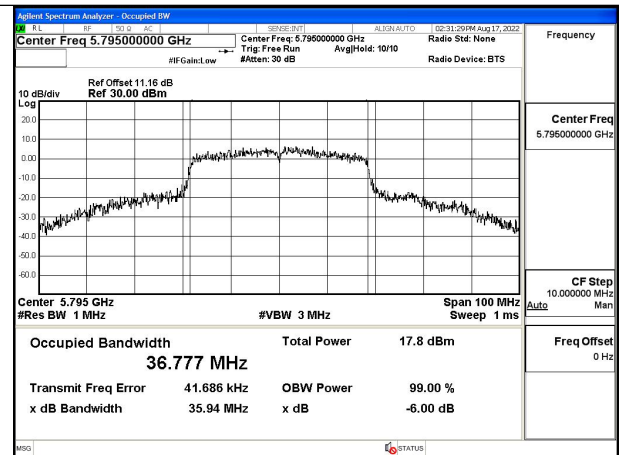
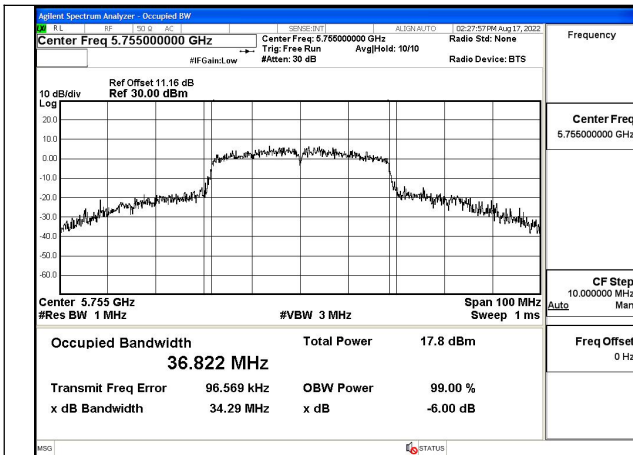
Test Mode:802.11n HT40 5795MHz Chain0



Test Mode:802.11n HT40 5755MHz Chain1

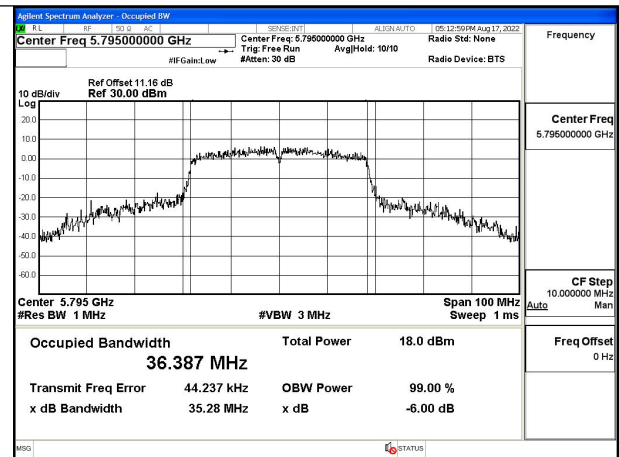
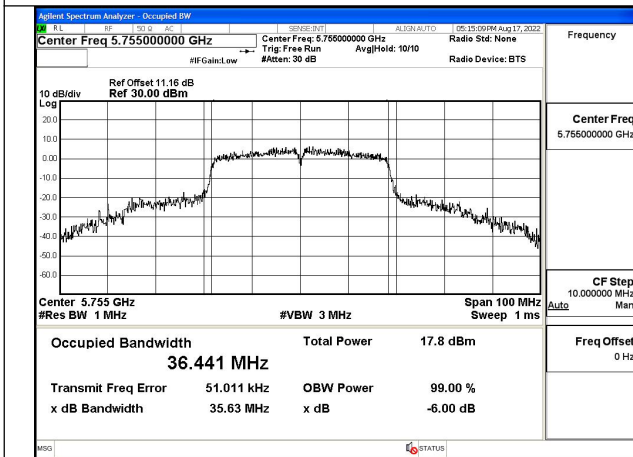
Test Mode:802.11n HT40 5795MHz Chain1

Test Mode: 802.11ac VHT40



Test Mode:802.11ac VHT40 5755MHz Chain0

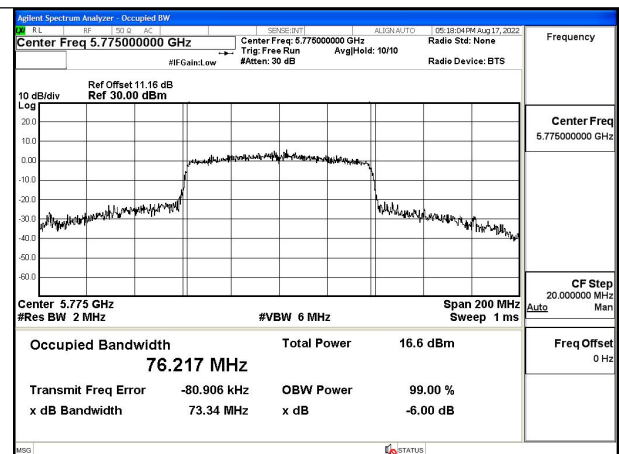
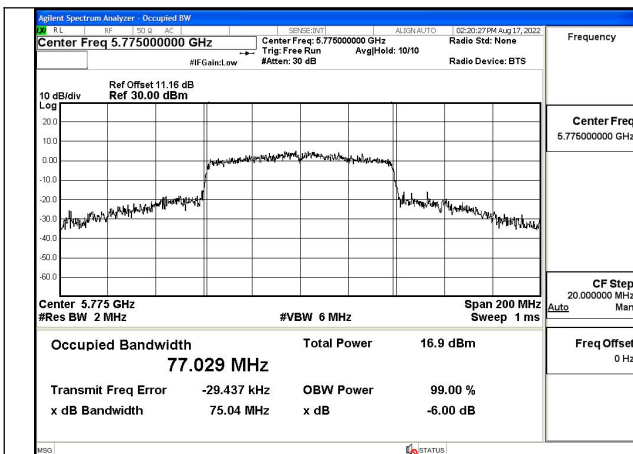
Test Mode:802.11ac VHT40 5795MHz Chain0



Test Mode:802.11ac VHT40 5755MHz Chain1

Test Mode:802.11ac VHT40 5795MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5775MHz Chain0

Test Mode:802.11ac VHT80 5775MHz Chain1

6dB Bandwidth

Offset 11.16dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.667	Channel No.675	Channel No.683
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	15.57	16.04	16.06
802.11a	Chain1	14.61	16.38	15.72
802.11n HT20	Chain0	13.15	14.79	14.71
802.11n HT20	Chain1	13.56	16.05	16.00
802.11ac VHT20	Chain0	17.52	15.67	17.52
802.11ac VHT20	Chain1	13.11	16.81	12.79

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.669	---	Channel No.677
		5755MHz	---	5795MHz
802.11n HT40	Chain0	27.57	---	31.99
802.11n HT40	Chain1	35.08	---	31.89
802.11ac VHT40	Chain0	32.51	---	34.46
802.11ac VHT40	Chain1	35.71	---	34.46

Test Mode	Antenna	6dB Bandwidth (MHz)		
		Channel No.673	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	74.59	---	---
802.11ac VHT80	Chain1	73.46	---	---

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.745000000 GHz

Ref Offset 11.16 dB
Ref 30.00 dBm

Span 60 MHz

Res BW 100 kHz

VBW 300 kHz

Sweep 7.467 ms

Occupied Bandwidth

17.241 MHz

Transmit Freq Error

80.210 KHz

OBW Power

99.00 %

x dB Bandwidth

15.57 MHz

x dB

-6.00 dB

Frequency

Center Freq 5.745000000 GHz

CF Step 6.000000 MHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Occupied BW

11:45:16 AM 11/13/2012

Center Freq 5.785000000 GHz

IF Gain: Low

Center Freq: 5.785000000 GHz

Trig: Free Run

Avg/Hold: 10/10

Radio Std: None

Radio Device: BTS

Frequency

10 dB/div

Ref Offset 11.16 dB

Ref 30.00 dBm

Center 5.785 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60 MHz

Sweep 7.467 ms

Auto

CF Step 6.000000 MHz

Man

Occupied Bandwidth

17.080 MHz

Total Power

18.4 dBm

Transmit Freq Error

-12.247 kHz

OBW Power

99.00 %

x dB Bandwidth

16.04 MHz

x dB

-6.00 dB

Freq Offset

0 Hz

Model

STATUS

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.825000000 GHz

Ref Offset 11.16 dB
Ref 30.00 dBm

#F Gain: Low

Center Freq: 5.825000000 GHz
Trig: Free Run
#Att: 30 dB

ALPHA AUTO

DL: 47:25PM Aug 17, 2022

Frequency

Radio Std: None

Avg/Hold: 10/10

Radio Device: BTS

10 dB/div

Log

20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0

Center 5.825 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60 MHz

Sweep 47.6 ms

Occupied Bandwidth

16.696 MHz

Total Power

18.6 dBm

Transmit Freq Error

-3.596 KHz

OBW Power

99.00 %

x dB Bandwidth

16.06 MHz

x dB

-6.00 dB

CF Step

6.000000 MHz

Man

Audio

Freq Offset

0 Hz

MSO

STATUS

Agilent Spectrum Analyzer - Occupied BW

10 dB/div

Center Freq 5.745000000 GHz

Ref Offset 11.16 dB

Ref 30.00 dBm

Span 60 MHz

Center Freq 5.745000000 GHz

Trig: Free Run

Avg/Hold: 10/10

Radio Std: Nene

#Attenu: 30 dB

Radio Device: BTS

CF Step 6.000000 MHz

Mar

Occupied Bandwidth

16.530 MHz

Transmit Freq Error -19.990 kHz

x dB Bandwidth 14.61 MHz

Total Power 18.5 dBm

OBW Power 99.00 %

x dB -6.00 dB

MSG STATUS

☒ Rollout Spectrum Analyzer ☐ Occupied BW ☐ OFFSET (BW) ☐ ALIAS/AUTO ☐ SP-40-43PM Aug 17, 2022

Center Freq 5.785000000 GHz **Center Freq: 5.785000000 GHz** **Radio Std: None** **Frequency**
#F Gain: low **Trig: Free Run** **AvgHold: 10/10**
#Att: 30 dB **Radio Device: BTS**

10 dB/div Ref Offset 11.16 dB
 Log Ref 30.00 dBm

Center 5.785 GHz **Span 60 MHz**
#Res BW 100 kHz **#VBW 300 kHz** **Sweep 7.467 ms** **Auto**

Occupied Bandwidth	Total Power	18.3 dBm
16.497 MHz		
Transmit Freq Error	-42.617 kHz	OBW Power 99.00 %
x dB Bandwidth	16.38 MHz	x dB -6.00 dB

Freq Offset
 0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Occupied BW

SENSE: BW1 ALLEN AUTO 152-48-1294 Aug 17, 2022

Center Freq 5.825000000 GHz Radio Std: None Frequency

Trig: Free Run AvgHold: 10/10

#Fft: 65536 #Res: 30 dB

Radio Device: BTS

Ref Offset 11.16 dB

Ref 30.00 dBm

Center 5.825 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60 MHz

Sweep 7.467 ms

Occupied Bandwidth 16.407 MHz

Total Power 18.6 dBm

Transmit Freq Error -16.789 kHz

OBW Power 99.00 %

x dB Bandwidth 15.72 MHz

x dB -6.00 dB

CF Step 6.000000 MHz

Auto Mar

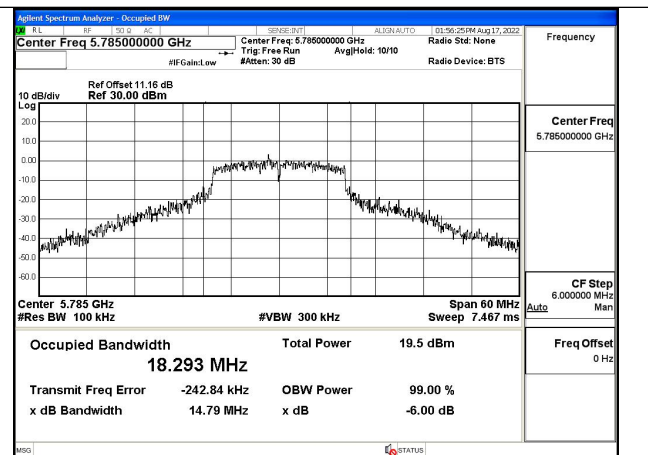
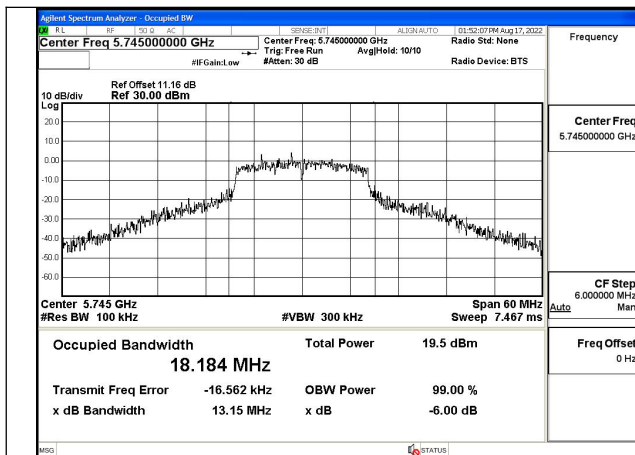
Freq Offset 0 MHz

MSO

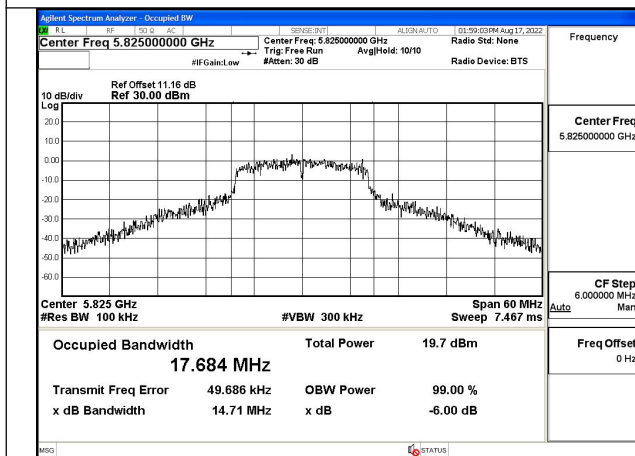
STATUS

V3.0.0

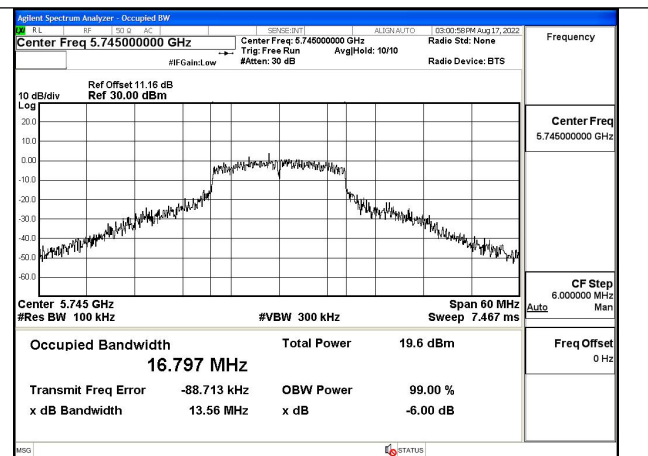
Test Mode: 802.11n HT20



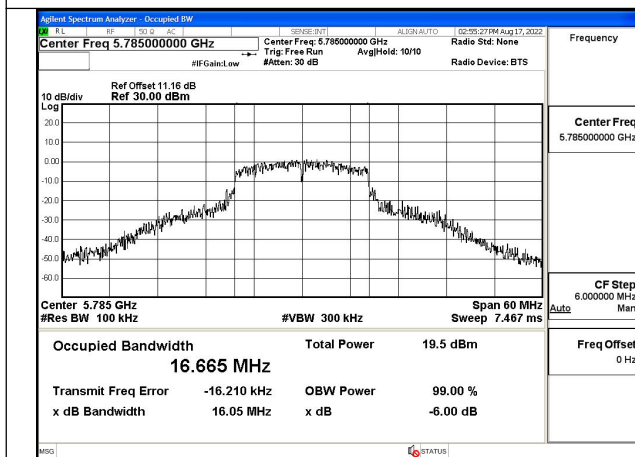
Test Mode: 802.11n HT20 5745MHz Chain0



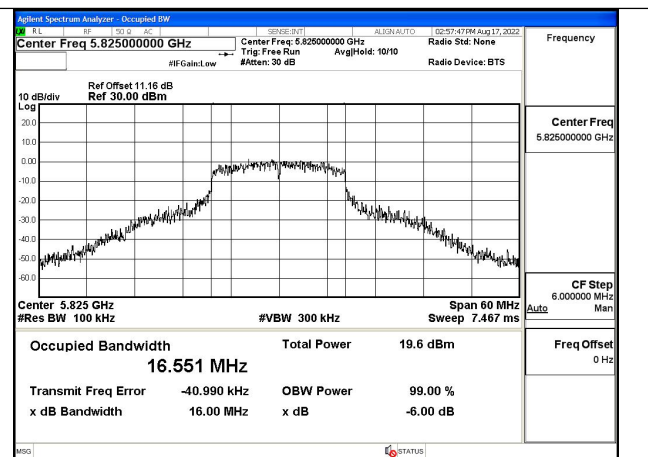
Test Mode: 802.11n HT20 5785MHz Chain0



Test Mode: 802.11n HT20 5825MHz Chain0



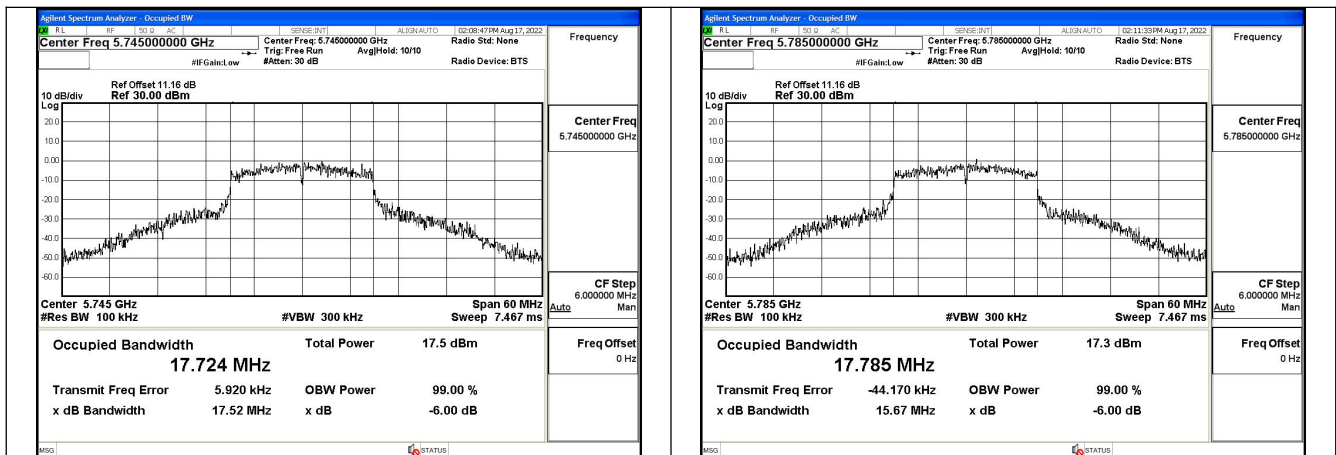
Test Mode: 802.11n HT20 5745MHz Chain1



Test Mode: 802.11n HT20 5785MHz Chain1

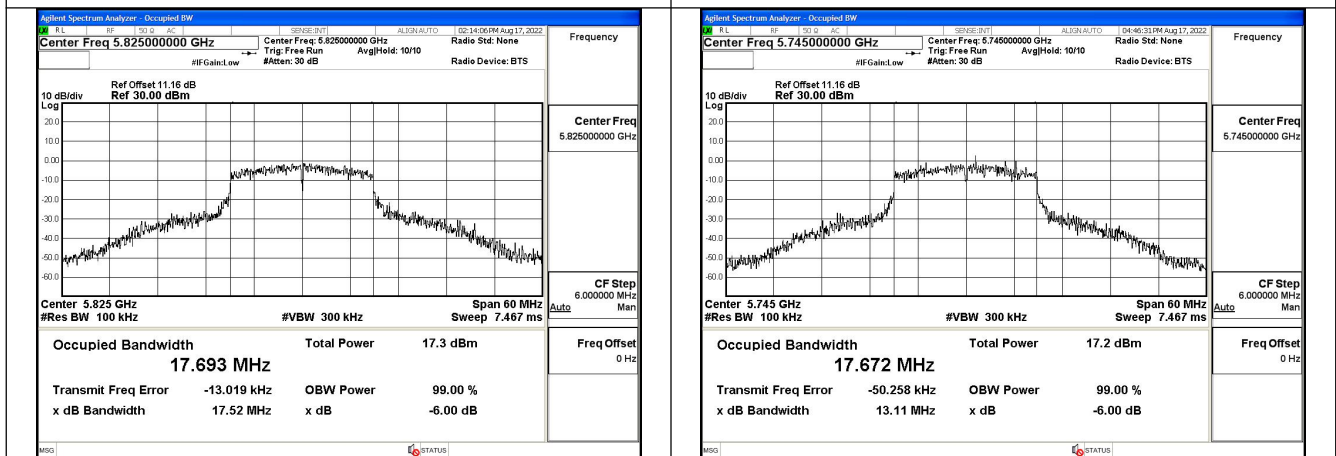
Test Mode: 802.11n HT20 5825MHz Chain1

Test Mode: 802.11ac VHT20



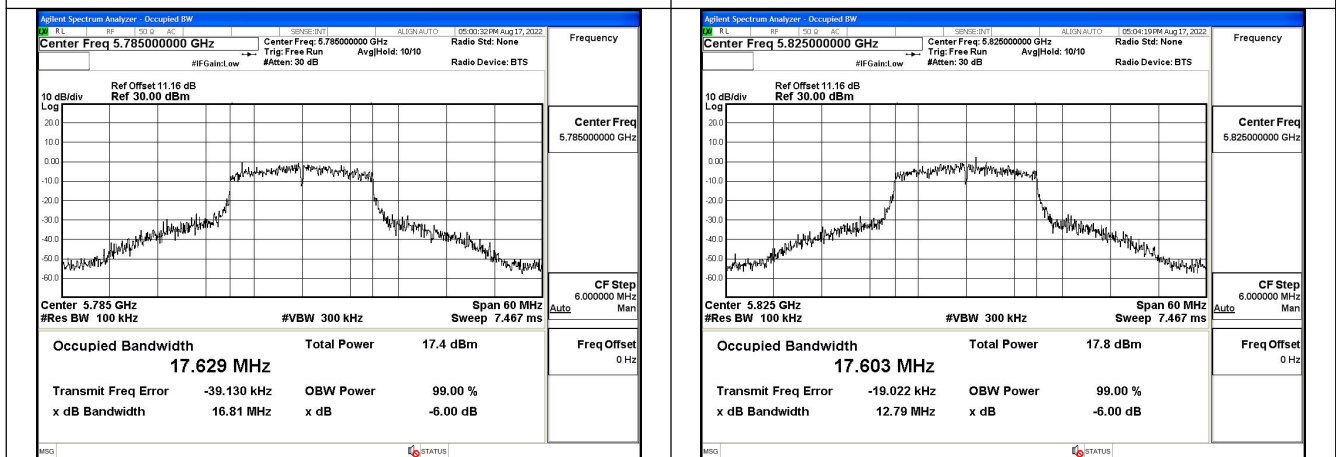
Test Mode:802.11ac VHT20 5745MHz Chain0

Test Mode:802.11ac VHT20 5785MHz Chain0



Test Mode:802.11ac VHT20 5825MHz Chain0

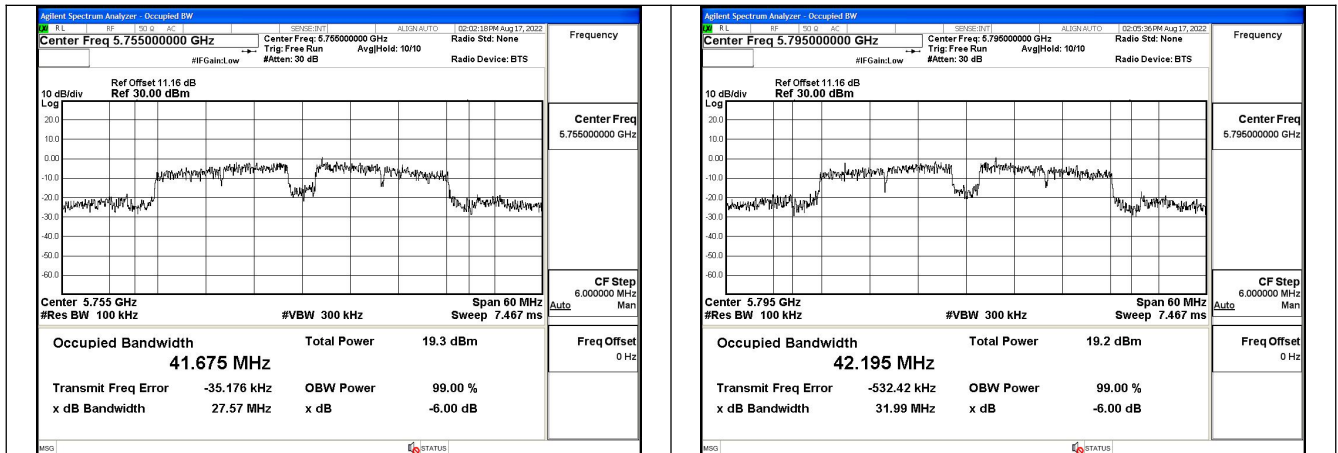
Test Mode:802.11ac VHT20 5785MHz Chain1



Test Mode:802.11ac VHT20 5785MHz Chain1

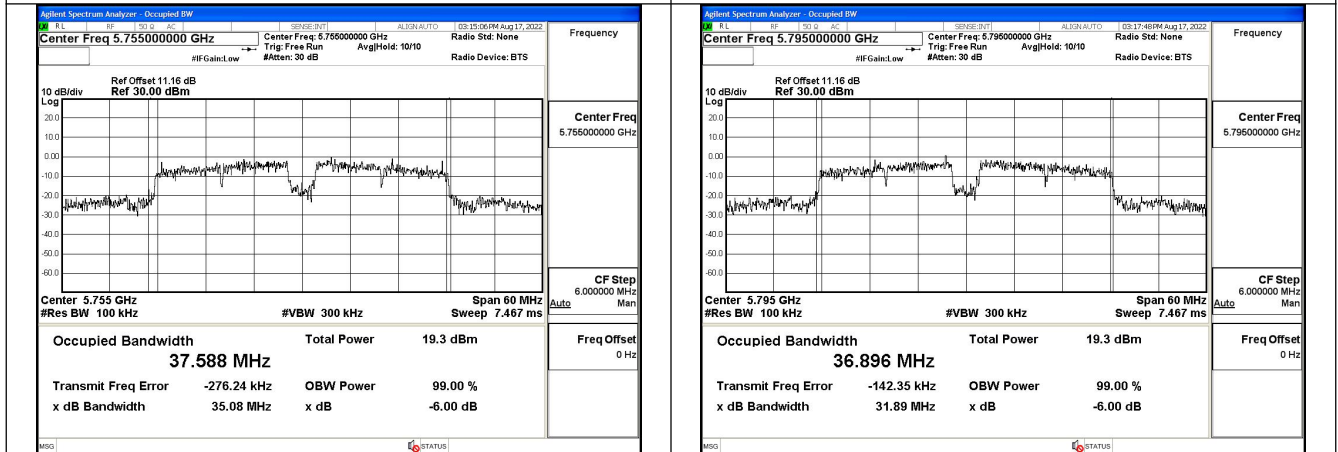
Test Mode:802.11ac VHT20 5825MHz Chain1

Test Mode: 802.11n HT40



Test Mode:802.11n HT40 5755MHz Chain0

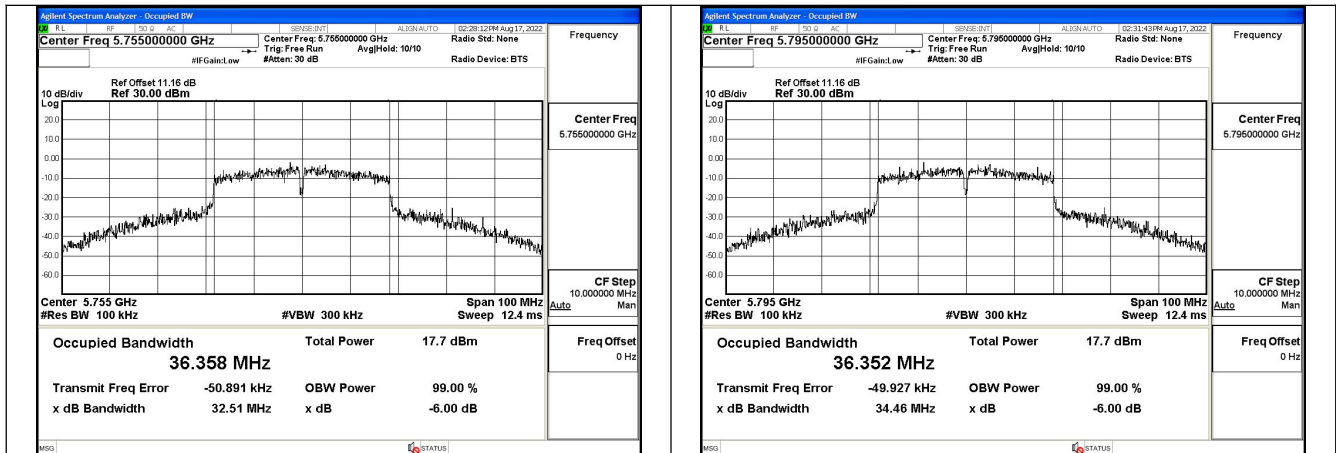
Test Mode:802.11n HT40 5795MHz Chain0



Test Mode:802.11n HT40 5755MHz Chain1

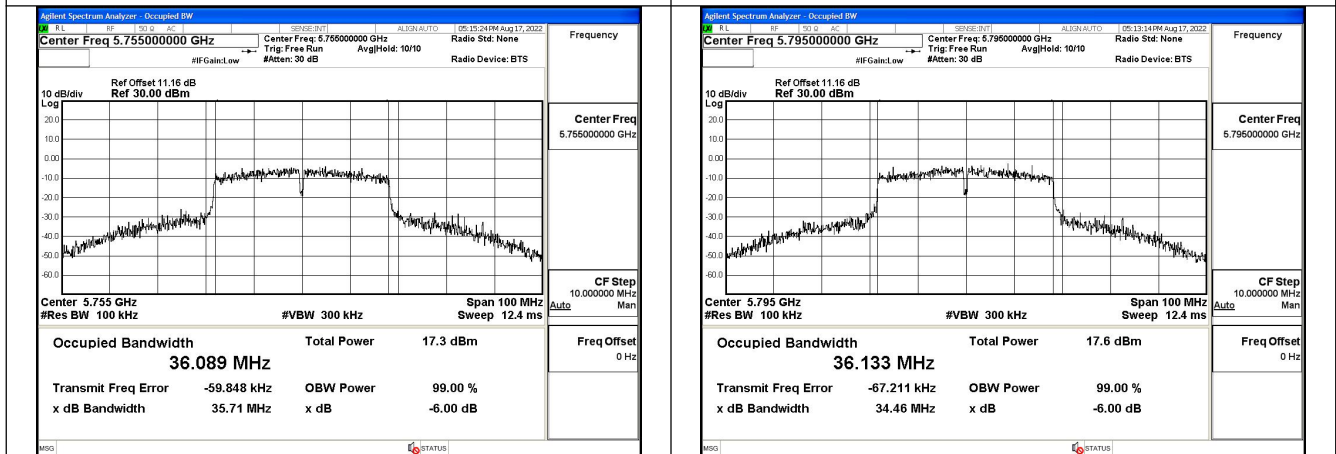
Test Mode:802.11n HT40 5795MHz Chain1

Test Mode: 802.11ac VHT40



Test Mode: 802.11ac VHT40 5755MHz Chain0

Test Mode: 802.11ac VHT40 5795MHz Chain0



Test Mode: 802.11ac VHT40 5755MHz Chain1

Test Mode: 802.11ac VHT40 5795MHz Chain1